

FORM PTO-1390 (Modified) (REV 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 21589-32PCT
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. IF KNOWN SEE 37 CFR <b>09/926499</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP01/01941</b>	INTERNATIONAL FILING DATE <b>MARCH 13, 2001</b>	PRIORITY DATE CLAIMED <b>MARCH 13, 2000</b>		
TITLE OF INVENTION <b>CERAMIC SUBSTRATE</b>				
APPLICANT(S) FOR DO/EO/US <b>Yasuji HIRAMATSU, et al.</b>				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>5. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>7. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>8. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>9. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>10. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol>				
<b>Items 13 to 20 below concern document(s) or information included:</b> <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input checked="" type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>22. <input type="checkbox"/> Certificate of Mailing by Express Mail</li> <li>23. <input checked="" type="checkbox"/> Other items or information:</li> </ol>				
<b>Request for Priority</b> <b>Request for Consideration of Documents Cited in International Search Report</b> <b>Drawings (7 Sheets)</b>				

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492(e)) <b>09/92648</b>	INTERNATIONAL APPLICATION NO. <b>PCT/JP01/01941</b>	ATTORNEY'S DOCKET NUMBER <b>215899US2PCT</b>															
24. The following fees are submitted:																	
<b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"><input type="checkbox"/></td> <td>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....</td> <td style="width: 10%; text-align: right;">\$1040.00</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....</td> <td style="text-align: right;">\$890.00</td> </tr> <tr> <td><input type="checkbox"/></td> <td>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....</td> <td style="text-align: right;">\$740.00</td> </tr> <tr> <td><input type="checkbox"/></td> <td>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....</td> <td style="text-align: right;">\$710.00</td> </tr> <tr> <td><input type="checkbox"/></td> <td>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....</td> <td style="text-align: right;">\$100.00</td> </tr> </table>			<input type="checkbox"/>	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....	\$1040.00	<input checked="" type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....	\$890.00	<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....	\$740.00	<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....	\$710.00	<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00
<input type="checkbox"/>	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....	\$1040.00															
<input checked="" type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....	\$890.00															
<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....	\$740.00															
<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....	\$710.00															
<input type="checkbox"/>	International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00															
<b>CALCULATIONS PTO USE ONLY</b>																	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT = \$890.00</b>																	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input checked="" type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). <b>\$130.00</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">CLAIMS</th> <th style="width: 25%;">NUMBER FILED</th> <th style="width: 25%;">NUMBER EXTRA</th> <th style="width: 25%;">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>1 - 20 =</td> <td>0</td> <td>x \$18.00      <b>\$0.00</b></td> </tr> <tr> <td>Independent claims</td> <td>0 - 3 =</td> <td>0</td> <td>x \$84.00      <b>\$0.00</b></td> </tr> </tbody> </table>			CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	1 - 20 =	0	x \$18.00 <b>\$0.00</b>	Independent claims	0 - 3 =	0	x \$84.00 <b>\$0.00</b>			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE														
Total claims	1 - 20 =	0	x \$18.00 <b>\$0.00</b>														
Independent claims	0 - 3 =	0	x \$84.00 <b>\$0.00</b>														
Multiple Dependent Claims (check if applicable). <input type="checkbox"/> <b>\$0.00</b>																	
<b>TOTAL OF ABOVE CALCULATIONS = \$1,020.00</b>																	
Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. <b>\$0.00</b>																	
<b>SUBTOTAL = \$1,020.00</b>																	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). + <b>\$0.00</b>																	
<b>TOTAL NATIONAL FEE = \$1,020.00</b>																	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/> <b>\$0.00</b>																	
<b>TOTAL FEES ENCLOSED = \$1,020.00</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 75%;"></td> <td style="width: 25%; text-align: center;">Amount to be: refunded</td> <td style="width: 25%; text-align: right;">\$</td> </tr> <tr> <td></td> <td style="text-align: center;">charged</td> <td style="text-align: right;">\$</td> </tr> </table>				Amount to be: refunded	\$		charged	\$									
	Amount to be: refunded	\$															
	charged	\$															
a. <input checked="" type="checkbox"/> A check in the amount of <b>\$1,020.00</b> to cover the above fees is enclosed.																	
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																	
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>15-0030</b> A duplicate copy of this sheet is enclosed.																	
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.																	
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>																	
SEND ALL CORRESPONDENCE TO:																	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>(703) 413-3000 (703) 413-2220</p> </div> <div style="flex: 1; text-align: center;"> <p><b>Surinder Sachar</b> Registration No. 34,423</p> </div> <div style="flex: 1; text-align: right;">  </div> </div>																	
<div style="display: flex; align-items: center;"> <div style="flex: 1; margin-right: 10px;"> <p><b>22850</b></p> </div> <div style="flex: 1; text-align: right;"> <p><i>Surinder Sachar</i></p> </div> </div>																	
<div style="display: flex; align-items: center;"> <div style="flex: 1; margin-right: 10px;"> <p>SIGNATURE</p> </div> <div style="flex: 1; text-align: right;"> <p><i>Marvin J. Spivak</i></p> </div> </div>																	
<div style="display: flex; align-items: center;"> <div style="flex: 1; margin-right: 10px;"> <p>NAME</p> </div> <div style="flex: 1; text-align: right;"> <p><i>Marvin J. Spivak</i></p> </div> </div>																	
<div style="display: flex; align-items: center;"> <div style="flex: 1; margin-right: 10px;"> <p>REGISTRATION NUMBER</p> </div> <div style="flex: 1; text-align: right;"> <p><i>24,913</i></p> </div> </div>																	
<div style="display: flex; align-items: center;"> <div style="flex: 1; margin-right: 10px;"> <p>DATE</p> </div> <div style="flex: 1; text-align: right;"> <p><i>Nov. 13 2001</i></p> </div> </div>																	